

PUBLICATIONS cont.:

- "Household Behavior and the Tax Reform Act of 1986," with J. Poterba, October 1986; Journal of Economic Perspectives, 1987, also published in French in Annales D'Economie et de Statistique, 1988.
- "Involuntary Early Retirement and Consumption," with L. Paquette, ed. G. Burtless, Economics of Health and Aging, 1987.
- "Income Taxation and Social Insurance in China," in Sino-U.S. Scholars on Hot Issues in China's Economy, 1990.
- "On Contingent Valuation Measurement of Nonuse Values," with P. Diamond, in Contingent Valuation: A Critical Appraisal, ed. J. Hausman, 1993.
- "Does Contingent Valuation Measure Preferences? Experimental Evidence," with P. Diamond, G. Leonard, M. Denning, in Contingent Valuation: A Critical Appraisal, ed. J. Hausman, 1993.
- "Contingent Valuation: Is Some Number Better than No Number?" with P. Diamond, December 1993, Journal of Economic Perspectives, 8, 1994.
- "A Utility-Consistent Combined Discrete Choice and Count Data Model: Assessing Recreational Use Losses Due to Natural Resource Damage," with G. Leonard and D. McFadden, October 1992, Journal of Public Economics, 56, 1995.
- "The Cost of Cellular Telephone Regulation," mimeo, 1995.
- "Contingent Valuation Measurement of Nonuse Values," with P. Diamond, ed. R.B. Stewart, Natural Resource Damages: A Legal, Economic, and Policy Analysis, National Legal Center for the Public Interest, 1995.

III. Applied Micro Models

- "Project Independence Report: A Review of U.S. Energy Needs up to 1985," Bell Journal of Economics, Autumn 1975.
- "Individual Discount Rates and the Purchase and Utilization of Energy Using Durables," MIT Energy Laboratory Working Paper, January 1978; Bell Journal of Economics, Spring 1979.
- "Voluntary Participation in the Arizona Time of Day Electricity Experiment," with D. Aigner, May 1978; delivered at EPRI Conference on Time of Day Pricing, June 1978; in EPRI Report, Modeling and Analysis of Electricity Demand by Time of Day, 1979; Bell Journal of Economics, 1980.
- "A Two-level Electricity Demand Model: Evaluation of the Connecticut Time-of-Day Pricing Test," delivered at EPRI Conference on Time of Day Pricing; with D. McFadden, in EPRI Report, Modeling and Analysis of Electricity Demand by Time of Day, 1979; Journal of Econometrics, 1979.
- "Assessing the Potential Demand for Electric Cars," with S. Beggs and S. Cardell, presented at EPRI Conference, November 1979; Journal of Econometrics, 1981.
- "Assessment and Validation of Energy Models," presented at EIA-NBS conference on Energy Models, May 1980; in Validation and Assessment of Energy Models, ed. S. Gass, Washington: Department of Commerce, 1981.

PUBLICATIONS cont.:

- "Exact Consumer Surplus and Deadweight Loss," working paper 1979, American Economic Review, 71, 1981.
- "Appliance Purchase and Usage Adaptation to a Permanent Time of Day Electricity Rate Schedule," with J. Trimble, August 1983; Journal of Econometrics, 1984.
- "Evaluating the Costs and Benefits of Appliance Efficiency Standards," with P. Joskow, MIT Energy Lab Working Paper, MIT-EL82005WP; American Economic Review, 72, 1982.
- "Information Costs, Competition and Collective Ratemaking in the Motor Carrier Industry," presented at Conference On Consensual Decision Making, American University, August 1982; American University Law Review, 1983.
- "An Overview of IPFS," presented at EIA-NBS Conference on Energy Models, August 1982; in Intermediate Future Forecasting System, ed. S. Gass et al., Washington: 1983.
- "Choice of Conservation Actions in the AHS," November 1982; in Energy Simulation Models, ed. R. Crow, 1983.
- "Patents and R&D: Searching for a Lag Structure," with B. Hall and Z. Griliches, in Actes du Colloque Econometrie de la Recherche, Paris: 1983.
- "The Demand for Optional Local Measured Telephone Service," in Adjusting to Regulatory. Pricing and Marketing Realities, East Lansing: 1983.
- "Patents and R&D: Is There a Lag?," with B. Hall and Z. Griliches, 1985; International Economic Review, 1986.
- "Price Discrimination and Patent Policy," with J. MacKie-Mason, Rand Journal of Economics, 1988.
- "Residential End-Use Load Shape Estimation from Whole-House Metered Data," IEEE Transactions on Power Systems, 1988 (with I. Schick, P. Vsoro, and M. Ruane).
- "Competition in Telecommunications for Large Users in New York," with H. Ware and T. Tardiff, Telecommunications in a Competitive Environment, 1989.
- "Innovation and International Trade Policy," Oxford Review of Economic Policy, 1988 (with J. MacKie-Mason).
- "The Evolution of the Central Office Switch Industry," with W. E. Kohlberg, 1987; in ed. S. Bradley and J. Hausman, Future Competition in Telecommunications, 1989.
- "Future Competition in Telecommunications," 1987; ed. S. Bradley and J. Hausman, Future Competition in Telecommunications, 1989.
- "Joint Ventures, Strategic Alliances and Collaboration in Telecommunications," presented at International Conference on Joint Ventures in Telecommunications, October 1989, Regulation, 1991.

PUBLICATIONS cont.:

- "An Ordered Probit Model of Intra-day Securities Trading," with A. Lo and C. MacKinlay, Journal of Financial Economics, 1992.
- "A Proposed Method for Analyzing Competition Among Differentiated Products," with G. Leonard and J.D. Zona, Antitrust Law Journal, 60, 1992.
- "Global Competition and Telecommunications," in Bradley, et al., ed., Globalization, Technology and Competition, 1993.
- "The Bell Operating Companies and AT&T Venture Abroad and British Telecom and Others Come to the US," presented at Harvard Business Conference on International Telecommunications, 1991, in Bradley, et al., ed., Globalization, Technology and Competition, 1993.
- "The Effects of the Breakup of AT&T on Telephone Penetration in the US," with T. Tardiff and A. Belinfante, American Economic Review, 1993.
- "Competitive Analysis with Differentiated Products," with G. Leonard and D. Zona, Annales, D'Economie et de Statistique, 34, 1994.
- "Proliferation of Networks in Telecommunications," ed. D. Alexander and W. Sichel, Networks, Infrastructure, and the New Task for Regulation, University of Michigan Press, forthcoming 1995.
- "The Effect of Superstars in the NBA: Economic Value and Policy," with G. Leonard, mimeo May 1994.
- "Valuation of New Goods Under Perfect and Imperfect Competition," MIT Working Paper, June, 1994, forthcoming ed. T. Bresnahan and R. Gordon, University of Chicago Press.
- "Cellular Telephone: Competition and Regulation," November 1994; ed. W. Read and W. Sapronov, Telecommunications Law, Regulation & Policy, Ablex Publishing, 1995.
- "Competition in Long Distance and Equipment Markets: Effects of the MFJ," 1994, Journal of Managerial and Decision Economics, 1995.
- "The Cost of Cellular Telephone Regulation," MIT Working Paper, January 1995.
- "State Regulation of Cellular Prices," Wireless Communications Forum, Volume III, April 1995.
- "Efficient Local Exchange Competition," with T. Tardiff, Antitrust Bulletin, 1995.
- "Valuation and Regulation of New Services in Telecommunications," with T. Tardiff, mimeo, July 1995.
- "Market Definition Under Price Discrimination," with G. Leonard and C. Velturo, forthcoming in Antitrust Law Journal, 1995.
- "Telecommunications: Building the Infrastructure for Value Creation," presented at the Harvard Business School Conference, November 16, 1995, forthcoming in ed. S. Bradley and R. Nolan, Harvard Business School Press, 1995.

JOINT REPORTS, TESTIMONY, AND BOOKS:

- "Project Independence: An Economic Analysis," Technology Review, May 1974.
- "The FEA's Project Independence Report: Testimony before Joint Economic Committee," U.S. Congress, March 18, 1975.
- "The FEA's Project Independence Report: An Analytical Assessment and Evaluation," NSF Report, June 1975.
- "Energy Demand in the ERDA Plan," with D. Wood, Energy Laboratory Report, August 1975.
- "A Note on Computational Simplifications and Extensions of the Conditional Probit Model," EPRI report on choice models, September 1977.
- "Labor Supply Response of Males to a Negative Income Tax," Testimony for U.S. Senate Finance Subcommittee on Public Assistance, November 22, 1978.
- "Appliance Choice with Time of Day Pricing," Energy Laboratory Report, January 1980.
- "Discrete Choice Models with Uncertain Attributes," Oak Ridge National Laboratories Report, January 1980.
- "Individual Savings Behavior," with P. Diamond, Report to the National Commission on Social Security, May 1980.
- "Wealth Accumulation and Retirement," with P. Diamond, Report to the Department of Labor, May 1982.
- "A Review of IFFS," Report to the Energy Information Agency, February 1982.
- "A Model of Heating System and Appliance Choice," with J. Berkovec and J. Rust, Report to the Department of Energy, December 1983.
- "Labor Force Behavior of Older Men After Involuntary Job Loss," with L. Paquette, Report to Department of Health and Human Services, December 1985.
- "Pollution and Work Days Lost," with D. Wise and B. Ostrow, NBER Working Paper, January 1984; Revised 1985.
- "Demand for Interstate Long Distance Telephone Service," with A. Jafee and T. Tardiff, November 1985.
- "Competition in the Information Market 1990", August 1990.
- "The Welfare Cost to the US Economy of Regulatory Restriction in Telecommunications," January 1995.
- "Benefits and Costs of Vertical Integration of Basic and Enhanced Telecommunications Services," April 1995.
- "Natural Resource Damage Provisions of CERCLA," Testimony for U.S. Senate Committee on Environment and Public Works, May 11, 1995.
- "Statement on the Natural Resource Damage Provisions of CERCLA," Testimony for U.S. House of Representatives, Transportation & Infrastructure Committee, Water Resources & Environment Subcommittee, July 11, 1995.

JOINT REPORTS, TESTIMONY, AND BOOKS cont.:

"Competition in Cellular Markets," Testimony for U.S. House of Representatives, Committee on Commerce, October 12, 1995.

The Choice and Utilization of Energy Using Durables, ed. J. Hausman, Palo Alto: EPRI, 1981.

Social Experimentation, ed. J. Hausman and D. Wise, Chicago: 1985.

Future Competition in Telecommunications, ed. S. Bradley and J. Hausman, Harvard: 1989.

Contingent Valuation: A Critical Appraisal, ed. J. Hausman, North Holland, 1993.

Globalization, Technology and Competition, ed. S. Bradley, J. Hausman, R. Nolan, Harvard 1993.

Economic Impact of Deregulating U.S. Communications Industries, The WEFA Group, Burlington, MA, February 1995.

ACC/TEMPO COMPETITIVE SAFEGUARDS

The following conditions should be imposed on the DBS permit of TEMPO, ACC and/or Primestar in the event that the transfer of ACC's permit to TEMPO is reinstated, or ACC's channels are assigned to TEMPO/TCI/Primestar for the provision of high-power DBS service, which should be defined to include the provision of programming, including pay-per-view programming, information and interactive services, and the distribution system, including satellite capacity, receiving equipment, customer service and billing services ("DBS Service"):

(1) In general.

The cable MSO parent companies of either Primestar or TEMPO, or any affiliate of such parent companies, Primestar or TEMPO, which provide cable television service ("Affiliated MSOs") may provide high-power DBS Service only through a separate subsidiary (the "DBS Subsidiary").

(2) Transaction Requirements.

Any transaction between the DBS Subsidiary and Affiliated MSOs shall be conducted on an arm's-length basis in the same manner as the Affiliated MSOs conduct business with non-affiliated persons, and shall not be based on any preference or discrimination in favor of the DBS Subsidiary arising from the affiliation of the DBS Subsidiary with Affiliated MSOs.

- (a) In particular, the DBS Subsidiary may not aggregate its subscribers with those of Affiliated MSOs or affiliates thereto in order to obtain volume discounts from programmers or equipment suppliers.

(3) Proprietary Information.

The DBS Subsidiary, each Affiliated MSO and affiliates thereto have a duty to protect the confidentiality of proprietary information relating to other multichannel video distributors, equipment manufacturers and customers. An Affiliated MSO or affiliates thereto may not share customer proprietary information with the DBS Subsidiary or any other Affiliated MSO or affiliate thereto unless this information is available to other persons and providers on the same terms and conditions, and shall take all necessary measures to ensure that such customer proprietary information is not improperly disclosed.

(4) Non-Discrimination.

In areas served by cable systems owned or controlled by Affiliated MSOs or affiliates, the DBS Subsidiary shall not offer or provide DBS Service that would allow subscribers of Affiliated Cable Systems to receive the DBS Subsidiary's DBS Service under terms and conditions different from those offered or provided to consumers who are not subscribers to Affiliated Cable Systems.

(5) Separate Commercial Activities.

The DBS Subsidiary shall carry out its marketing and sales directly and separate from any Affiliated MSO or any affiliate thereof. The services of the DBS Subsidiary and any Affiliated MSO or affiliate thereof may not be marketed or sold jointly.

- (a) In areas served by Affiliated MSOs or affiliates thereto, the DBS Subsidiary shall not offer or provide DBS Service to subscribers of such Affiliated MSO systems exclusively or primarily as an ancillary or supplementary tier of cable service (i.e., TEMPO, ACC and Primestar would be prohibited from restricting the marketing of DBS Service primarily to Affiliated Cable Systems, who in turn would sell that service as an additional program offering to cable subscribers.)

(6) Books, Records and Accounts.

The DBS Subsidiary shall maintain books, records and accounts in a manner prescribed by the FCC which shall be separate from the books, records and accounts maintained by an Affiliated MSO or any affiliate thereof.

(7) Prevention of Cross-Subsidies.

Affiliated MSOs or affiliates thereof shall establish and administer a cost allocation system that prohibits any cost of providing DBS Service from being subsidized by revenue from Affiliated MSO cable operations. The cost allocation system shall employ a formula that ensures that --

- (a) the rates for cable service charged by Affiliated MSOs are no greater than they would have been in the absence of such investment in DBS Service (taking into account any declines in the real costs of providing such DBS services); and
- (b) such DBS Service shall bear a reasonable share of the joint and common costs of facilities used to provide DBS Services.

(8) FCC Review.

The DBS Subsidiary will be subject to FCC review of its structure, rates and business practices.